

supplied to each reforming room to undergo reforming.

a1  
*Sub B1*

4. (Amended) The reforming method specified in Claim 1, wherein the high-temperature heating gas (16) is supplied directly to one end of each of the reforming rooms (6) and is discharged from the other end of the furthest downstream reforming rooms, and after the first and second catalyst (8a, 8b) are heated up from inside the reforming rooms, the gas mixture (2) is supplied to each reforming room to undergo reforming.

a2  
*Sub B1*

8. (Amended) The reforming apparatus specified in Claim 5, comprising a reformer housing (12) that encases the reforming tube (10), and a first heating gas tube (28a) for introducing a high-temperature heating gas (16) into the space (14) formed between the reformer housing and the reforming tube, from the outside.

*Sub B1*

9. (Amended) The reforming apparatus specified in Claim 5, wherein a second heating gas tube (38b) is connected to the mixed gas feed tube (18), to introduce a high-temperature heating gas (16) from the outside.

G3  
*Sub B1*

12. (Amended) The reforming apparatus specified in Claim 10, wherein the feedback mechanism (134) sends the reformed gas (118) to the manifold through a reformed gas passage (136) formed by the space between the reforming tubes (130) located close to each other or between the reforming tubes and the casing (126), in the axial direction of the reforming tubes.